HD Digital Terrestrial Receiver

User's Manual

HDR-7510T

The default password is 0000.

HUMAX

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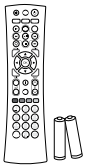
Accessories



Remote Control
/ Batteries

User's Manual

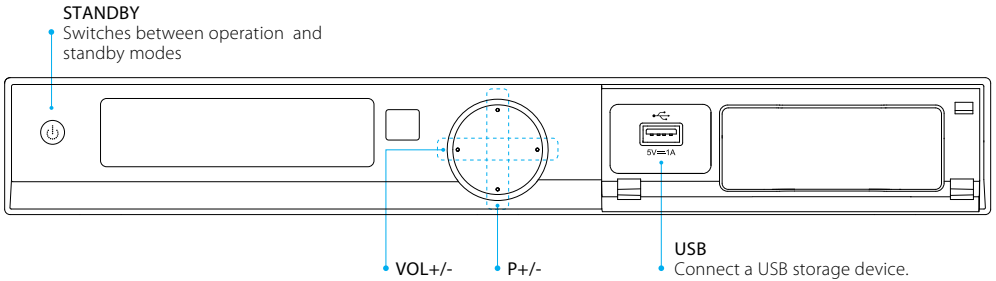
W-LAN USB Dongle

RCA Cable

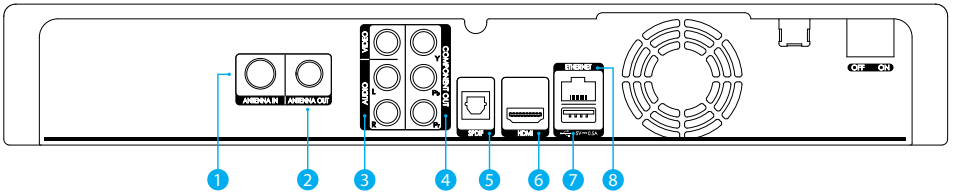
IceTV Flyer
(Quick Manual)

Front

Note: The image may differ from the actual product.

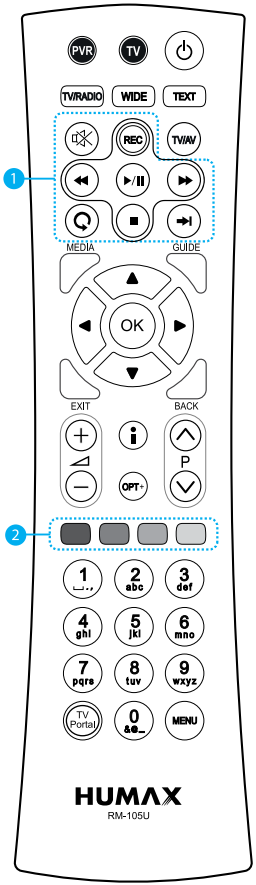


Rear



1 **ANTENNA IN:** Connect to a TV antenna.
2 **ANTENNA OUT:** Connect to the TV or VCR
3 **VIDEO/AUDIO:** Use an RCA cable to connect to the TV.
4 **COMPONENT OUT:** Use a component cable to connect to the TV.
5 **SPDIF:** Use an SPDIF cable to connect to the digital audio device.
6 **HDMI:** Use an HDMI cable to connect to the TV.
7 **USB:** Connect a wireless USB dongle or external USB devices.
8 **Ethernet:** Connect a LAN cable.

Remote C ontrol

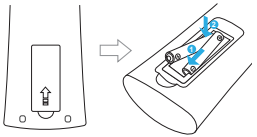


	PVR	Switches to PVR mode
	TV	Switches to TV mode
⏻	STANDBY	Switches between operation and standby modes
	TV/RADIO	Switches between TV and radio modes
	WIDE	Sets the display format
	TEXT	Enters the digital text service
🔇	MUTE	Mutes audio
1	Playback Control Buttons	REC Record, ◀◀ Rewind, ▶▶ Fast Forward, ▶/II Play/Pause, ■ Stop, ↺ Instant Replay, ▶I Skip
	TV/AV	Changes the input source
	MEDIA	Displays the media list
	GUIDE	Displays the programme guide
	EXIT	Exits all On-Screen Display (OSD) screens
	BACK	Returns to the previous channel or the previous screen
	OK	Selects a menu or confirms
	ARROW Buttons	Moves the cursor up, down, left or right
	VOL +/-	Changes the audio volume
	P ^/v	Changes the channel or page

	i (information)	Displays the channel and programme information
	OPT+ (Option)	Displays the channel attributes or additional options.
2	COLOUR Buttons	For interactive applications
	NUMERIC	(0-9)
	TV Portal	Goes to HUMAX TV Portal
	MENU	Displays the main menu

Inserting Batteries

Insert the batteries matching the positive(+) and negative (-) at each end.

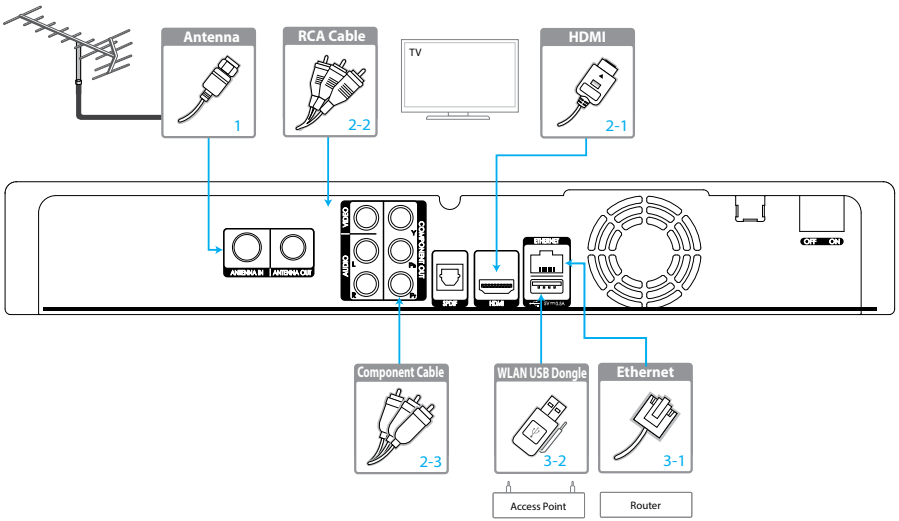


Connections

This section describes how to connect your product to match your particular devices and to gain optimum signal quality.

Warning: Connect all devices before you plug any power cords into the wall outlet. Always turn off the product, TV and other devices before you connect or disconnect any cables.

Note: If you encounter any problems setting up your product, please contact HUMAX Australia Customer Service.



Connecting the Antenna

Connect the aerial to the **ANTENNA IN**.

Connecting the TV

2-1 Using an HDMI cable

For the best picture quality, use an HDMI cable to connect to the TV.

2-2 Using an RCA cable

For good picture quality, use an RCA cable to connect to the TV.

2-3 Using a component cable

For very good picture quality, use a component cable to connect to the TV.

Note:

- Use an S/PDIF cable to connect to the audio system for digital audio.
- Connecting your TV directly to the audio/video output of the product will assure a more vivid picture and enhance your viewing enjoyment.

Connecting the Network

3-1 Connecting to the LAN

1. Use the Ethernet cable to connect the product and the LAN router.
2. Set the options for the LAN.
   (Refer to **System>Internet Setting** for details.)

Note: We recommend the network connection over a direct LAN.

3-2 Connecting to the Wireless Network

1. Plug the HUMAX wireless USB dongle into rear USB port.
2. Set the options for the wireless network. (Refer to **System>Internet Setting** for details.)

Note:

- Make sure that the distance between the WLAN access point and the product is not too far away. This may lower the quality of service.

Powering On

1. Connect the power cord of the product to a wall outlet.
2. Ensure the **ON/OFF** switch at the rear of the product is switched to **ON**.
3. Power on by pressing the **STANDBY** button on the remote control or the **STANDBY** button on the front panel of the product

Wizard

The installation wizard operates automatically when you power on the product for the first time or do factory default in menu.

Note: If you exit the installation wizard without fully completing the channel searching procedure, you may not have all of the channels available. In this case, go to **MENU** > **Settings** > **Installation** and search for more channels.

1. Region

Select the state you currently live in.

2. Display

Set the video output to your TV.

3. Automatic Search

Channel search will begin automatically.
Save the found channels when the search is complete.

4. EPG Type

Select the **EPG Type** you want.
If you already have an IceTV account or wish to take advantage of the additional features of IceTV, select **IceTV**.

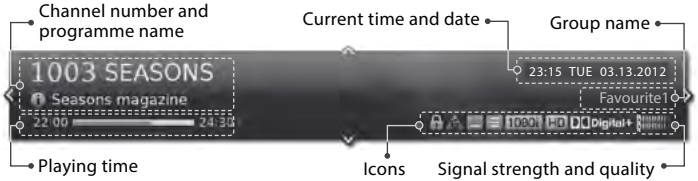
Note: To use the IceTV EPG, connect the receiver to the internet via Ethernet or USB wireless dongle. Refer to ***Connecting the Network***.

5. Result

The result of the installation wizard will show. Select **Finish** to exit the wizard.

Programme Information (i-Plate)

The i-plate is an information banner that is displayed for a few seconds whenever you change channels. Press the **i** button while you watch a programme to display the i-plate. Press the **Exit** button on the remote control to hide it.



	Viewing detailed programme information Press the **i** button again while the i-plate is displayed.
	Viewing Previous/next programme information Press the ◀/▶ button while the i-plate is displayed. Press the **OK** button to set reminders or recordings for future programmes.
	Viewing Programme information of other channels Press the ▲/▼ button while the i-plate is displayed. Press the **OK** button to change to the selected channel.
OPT+	*Searching related contents* Press the **OPT+** button while the i-plate is displayed. This option is supported only when the network is connected.

Icons

	Locked Programme
	Parental guidance programme
	Subtitle
DD DD+	Dolby Digital audio Dolby Digital Plus audio
	Teletext
1080i	Resolution
HD	HD programme

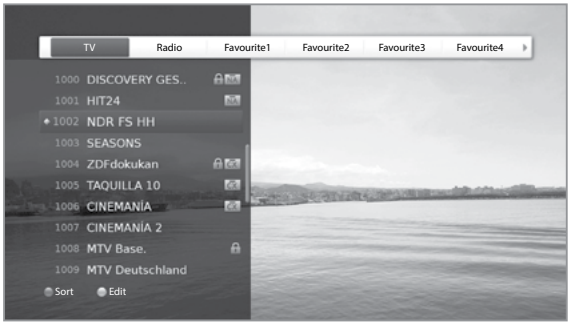
Channel List

You can access the channel list in several ways.

- Press the **OK** button.
- Press the **MENU** button and select **Channel List**.

Changing Channels

Select the channel you want to watch and press the **OK** button. The channel will change.



◉▶	*Changing Group* Press the ▶ button to display the list of the selected channel group. **(TV, Radio, Favourite 1~5, Recent)**
▭ RED	*Sorting Channels* Press the **RED** button to sort the channels in numerical or alphabetical order.

Note:

- : Locked channel
- Press the **i** button to view the detailed channel information.
- Press the **OK** or **EXIT** button to exit.
- Press the **TV/RADIO** button to switch between **TV** and **Radio** groups.

Editing Channels in Channel List

Select a channel you want to edit and press the **GREEN** button.

Favourite	*Setting Favourite Channels* Select a favourite group you want to move the channel to and press the **OK** button. To remove a channel from a favourite group, select the group and press the **OK** button again.
Lock	*Locking Channels* Select **On** or **Off**.
Delete	*Deleting Channels* Press the **OK** button.
Rename	*Renaming Channels* Press the **OK** button and enter the name in the keyboard.

Note:

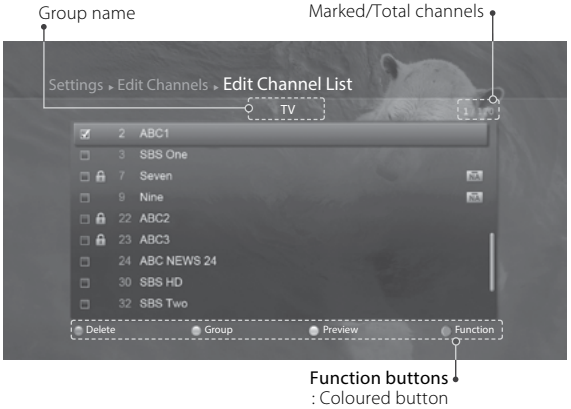
- The default password is 0000. If you have forgotten your password, please contact Humax Australia Customer Service.
- To edit multiple channels, go to **MENU** > **Settings** > **Edit Channels**.

Edit Channels

Editing Channel List

MENU > Settings > Edit Channels > Password > Edit Channel List

Edit Channel List will help you edit multiple channels.



Note:

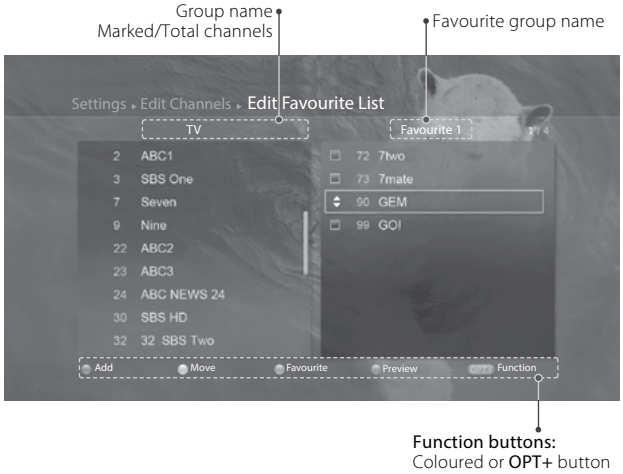
- : Locked channel
- Press the **TV/RADIO** button to switch between **TV** and **Radio** groups.
- Press the **MENU** or **EXIT** button to exit. Press the **BACK** button to return to the previous screen.
- The channels that are automatically numbered by the broadcaster cannot be deleted or moved.
- The default password is 0000.

RED	*Deleting Channels* Select the channels using the ▲/▼ and **OK** button and press the **RED** button.
GREEN	*Changing Group* To list the channels of other groups, press the **GREEN** button and select a group you want.
YELLOW	*Changing Background* You can change the channel displayed in the background while editing. Select the channel you want to watch and press the **YELLOW** button.
BLUE	*Locking / Unlocking Channels* *Selecting / Releasing All Channels*

Editing Favourite List

MENU > Settings > Edit Channels > Password > Edit Favourite List

Edit Favourite List will help you add or remove channels from the favourite groups.



Note:

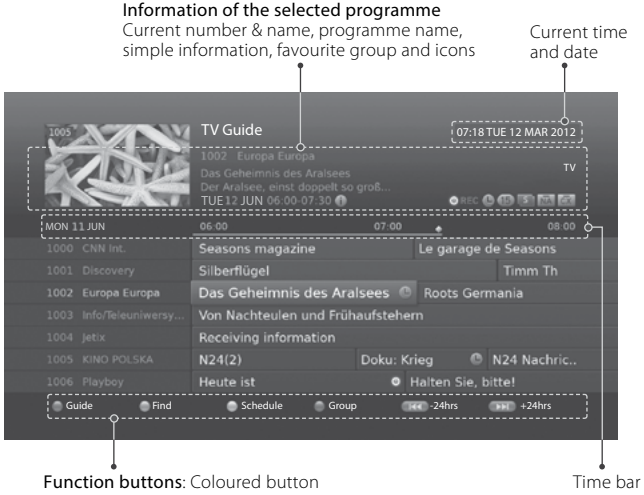
- Press the **TV/RADIO** button to switch between **TV** and **Radio** groups.
- Press the **MENU** or **EXIT** button to exit. Press the **BACK** button to return to the previous screen.
- The channels that are automatically numbered by the broadcaster cannot be deleted or moved.
- The default password is 0000.

RED	*Adding Favourite Channels* Select the channels to add using the ▲/▼ and **OK** button in the left column and then press the **RED** button. The added channels will be listed in the right column. *Removing Favourite Channels* Select the channels to remove from the right column using the ▲/▼ and **OK** button and then press the **RED** button.
GREEN	*Changing Group* To list the channels of other groups in the left column, press the **GREEN** button and select a group you want. *Moving Favourite Channels* Select the channels using the ▲/▼ and **OK** button in the right column and then press the **GREEN** button.
YELLOW	*Renaming Favourite Groups* Press the **YELLOW** button and select the favourite group you want to edit. Press the **OPT+** button. Select **Rename Favourite**. Enter the name in the keyboard.
BLUE	*Changing Background* You can change the channel displayed in the background while editing. Select the channel you want to watch and the press the **BLUE** button. The background channel will change.
OPT+	*Selecting / Releasing All Channels*

TV Guide

You can access the TV guide in several ways.

- Press the **GUIDE** button.
- Press the **MENU** button and select **TV Guide**.



Note:

- Press the **i** button to view the detailed programme information.
- : Scheduled programme (Red: Record, Blue: Reminder),
  : Recording programme, : Present time
- : Series recording

Watching Programmes

1. Select a programme and press the **OK** button. The programme will display in the preview.
2. Press the **OK** button again to exit the TV guide and watch the programme.

Setting Reminders or Recordings

1. Select a future programme and press the **OK** button.
2. Select **Record the whole series, Record the whole programme,** or **Reminder** and press the **OK** button.
3. Press the **OK** button again to cancel the reservation.
   The reserved programmes will be added automatically to **Schedule**.

Note:

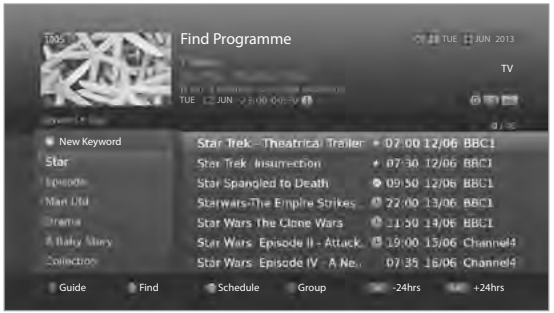
- If the programme you wish to record conflicts with other two recording programmes, adjust the reservation appropriately.
- If the channel is locked, you will be prompted to enter your password to complete the reservation. The default password is 0000. If you have forgotten your password, please contact HUMAX Australia Customer Service.
- If a programme you wish to record is in a series, you can record the whole series.
- Go to **Scheduling Reminders and Recordings** to reschedule reminders or recordings on the next page.

Changing Group

To list the channels of other groups, press the **BLUE** button and select a group you want.

Finding Programmes

Find will help you find the programmes more specifically according to the keyword or genre.



By Keyword

1. Press the **GREEN** button.
2. Select **Keyword** and press the ▶ button.
3. Select a keyword and press the **OK** button.
4. Press the **YELLOW** button to add the selected programme to schedule.

Note: To enter a new keyword, select **New Keyword**. Type the new keyword and press the YELLOW button to confirm.

By Genre

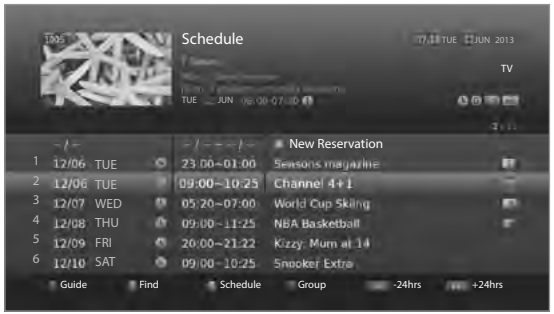
1. Press the **GREEN** button.
2. Select **Genre** and press the ▶ button.
3. Select a genre and press the **OK** button.
4. Select the specific genre and press the **OK** button.
5. Scroll through the list and press the YELLOW button to add to schedule.

Note:

- Press the **i** button to view the detailed programme information.
- Press the **OK** button to watch a found programme.
- You can set reminders or recordings for future programmes.

Scheduling Reminders and Recordings

Schedule shows you the list of reminders and recordings and helps you manage them.



1. Press the **YELLOW** button.
2. You can add, edit or delete your reminders or recordings.
   - To add, select **New Reservation** and press the **OK** button.
   - To edit, select a reservation and press the **OK** button.
   - To delete, select a reservation and press the **BLUE** button.
3. **Reservation** will pop up. You can change the options you want using the ▲/▼/◀/▶, **NUMERIC(0~9)** and **OK** buttons.
4. Select **OK** to save and exit.

Note:

- Press the **i** button to view the detailed programme information.
- You can easily set reminders or recordings in **TV Guide**, **Find** or i-plate navigation mode.

Recording

You can record programmes in the hard disk drive and playback the recorded programmes whenever you want.

Note: Recording or copying is for private and domestic use only.

Instant Recording

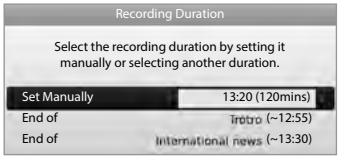
You can record the current programme instantly and change the recording duration.

Press the **RECORD** button to record the current programme instantly.
The recording will start from the current broadcast point and the record banner will display for a few seconds.
Press the **STOP** button to stop recording.

The recording will continue till the end of the current programme. However, if the programme ends within ten minutes, it will continue until the end of the next programme. When no programme information is provided, the recording will continue for two hours.

Changing Recording Duration

1. Press the **RECORD** button while recording.
2. Set the duration manually or select till the end of the current or next programme.



Scheduled Recording

You can easily set recording reservations in **TV Guide**, **Schedule** or i-plate navigation mode.

- Select a future programme and press the **OK** button in **TV Guide**.
- Select **New Reservation** and press the **OK** button in **Schedule**.
- Press the **OK** button on a future programme in i-plate and select **Record**.

The recording will start at the scheduled time and the record banner will display for a few seconds.
Press the **STOP** button to stop recording.

Note:

- Press the **GUIDE** button to go to **TV Guide**.
- Press the **GUIDE** button and press **YELLOW** button to go to **Schedule**.
- Press the **i** button while watching a programme to display the i-plate.

Editing Recording Schedule

You can edit or delete your reservations in **Schedule**.

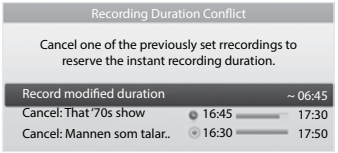
- To edit, select a reservation and press the **OK** button. You can change the options such as channel, date, start time, end time, repeat and mode.
- To delete, select a reservation and press the **BLUE** button.

Recording Conflict

Recording Duration Conflict

When an instant recording conflicts with one of the scheduled recordings (or reminder), you can either

- Adjust the recording duration automatically.
- Cancel the scheduled recording (or reminder).
- Cancel the current recording.



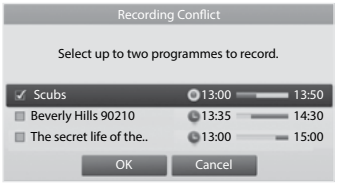
Watching Conflict

If a scheduled recording is about to start while you are watching one programme, a record notice will pop up 30 seconds before the scheduled recording starts.

- **OK** : The channel will change at the start time and the scheduled recording will start automatically.
- **Cancel** : The scheduled recording will be canceled.

Scheduling Conflict

When a new scheduled recording conflicts with one of the previously set recordings (or reminder), you will be prompted to select up to two programmes you want to keep.



Setting Recording Options

MENU > Settings > Preferences > Recording

Setting Padding Time

You can set the recording padding time in case the recording starts earlier or ends later than scheduled.

- **Start Padding Time** : Additional recording time before the programme starts.
- **End Padding Time** : Additional recording time after the programme ends

Setting Jump Time

You can set the jump time to replay or skip scenes during playback or time shifted recording.

- **Instant Replay Time:** 7 sec, 15 sec, 30 sec
- **Skip Forward Time:** 30 sec, 60 sec, 120 sec, 240 sec
- **Auto Delete:** When this option is turned on, old recordings will be deleted automatically when the HDD becomes full.

Note:

- The record banner will be displayed with the i-plate whenever you press the **i** button.
- You can change the recording duration by pressing the **RECORD** button during instant recording or by going to **MENU** > **TV Guide** > **Schedule** for scheduled recording.
- The recording will continue even if you press the **STANDBY** button while recording. The scheduled recording will start even in standby mode if the hard disk drive is recognized.
- While watching a recorded programme, you can trick-play using the playback control buttons such as pause, fast rewind, instant replay, etc.
- You can record the digital TV or radio programmes only.
- Make sure that there is enough free space before recording. If there is no sufficient space on the hard disk drive, the recording will stop.
  The space for recording a 1 hour programme may differ depending on the programme.
- To view the recorded programme list, press the **MEDIA** or **MENU** button and select **Video**.

Playback

You can playback the recorded programmes that are stored in the hard disk drive.

Playing Recordings (Video)

You can access the recorded programme list easily and play the recorded programmes.

- Press the **MEDIA** button.
- Press the **MENU** button and select **Video**.

Select a file and press the **OK** button. Playback will start.
You can perform fast rewind, fast forward and pause while playing back a recorded programme. The green playbar is displayed when you press the playback control buttons during playback.

Playback Controls

⏯	Play / Pause
⏹	Stop playback and go to live TV
⏪	Rewind
⏩	Fast Forward
↺	Replay the scene
⏭	Skip the scene

Note:

- Refer to ***Media List*** > ***Using Video List*** for more details about the recorded programmes.

Pausing and Rewinding Live TV (TSR)

Time Shifted Recording (TSR) allows you to pause a live broadcast and return later where you left off. TSR starts when channel is selected.
The TSR function temporarily saves the programmes you watch to the hard disk drive automatically.
The maximum TSR time is 120 minutes.

To pause the programme you are watching

Press the ▶/II button. Press the ▶/II button to return. Pause makes a time gap between the live broadcasting point and watching point. The time gap is equivalent to the period the programme has been paused.
Press the ■ button to close the time gap and go to live programme.

To rewind and watch missed scenes

Press the ◀◀ button. Press the ▶/II button at the point where you want to start watching. You can pause, rewind or fast forward within the programme.
You can fast rewind back to the start point. If you reach the start point while rewinding, the programme automatically plays at normal speed.

To fast forward and skip scenes

Press the ▶▶ button. You can fast forward only when there is a time gap between the current watching point and the live broadcasting point caused by pause, or rewind. You can fast forward up to the current broadcasting point. If you reach the live broadcasting point while fast forwarding, the programme automatically plays at normal speed.

To record the Time Shift Recording buffer

Rewind to the point you wish to record by pressing the ◀◀ **REWIND** or ◀ button and press the **RECORD** button on the remote control.

Note: The recording will not appear immediately in the Media list as time is required to transfer the buffer into a recording.

Media List

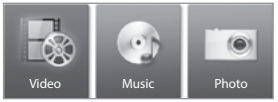
You can play video, music or photo files from the hard disk drive, the USB storage devices or home network devices.

You can access the media list in several ways.

- Press the **MEDIA** button.
- Press the **MENU** button and select **Video**, **Music** or **Photo**.
- Connect a USB storage device and select the media type.

Switching Media

1. Press the **YELLOW** button.
2. Select the media type and press the **OK** button.
   - **Video, Music, Photo**



Switching Storage

1. Press the **BLUE** button.
2. Select the storage and press the **OK** button.
   - **HDD:** Displays the HDD.
   - **USB:** Displays each partition of the connected USB storage devices. Select a USB.
   - **Network:** Displays the connected home network devices. Select a server.

Note:

- The USB port on your product supply 800mA. Make sure to connect the power if you use the USB storage device which requires an external power supply.
- If the USB storage device is connected in standby mode, it will automatically be recognised when the product is turned on.
- Do not disconnect the USB storage device during playback, the stored files or the USB storage device may be damaged.
- USB storage devices below USB 2.0 are supported, but they may not work properly.
- HUMAX cannot guarantee compatibility with all USB storage devices and assumes no responsibility for any loss of data.

Using the Home Network Media Server

Your receiver is a home network device capable of sharing media files with other home network devices such as the PC, NAS or another HUMAX PVR when they are connected to the same home network.

You can play the video, music or photo files that are stored in your PC on your receiver when the PC is connected to the same home network.

Connecting to Home Network

1. Connect the receiver to your home network by connecting to the router.
2. Press the **MENU** button and go to **Settings>System>Internet Setting**.
3. Set the options for the LAN or WLAN. (Refer to ***System>Internet Setting*** for details.)

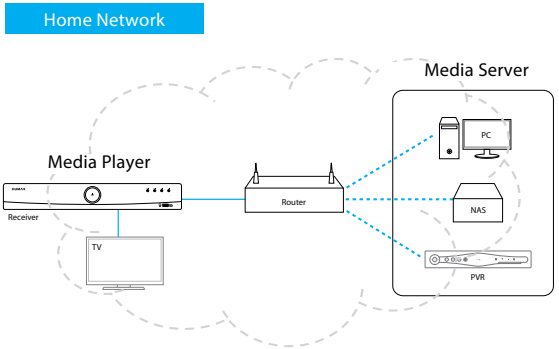
Playing Files On Your Receiver

: Files stored in the PC, NAS or another HUMAX PVR

1. Press the **MEDIA** button.
2. Press the **BLUE** button and select **Network**.
3. Select a server from the list.
4. Press the **YELLOW** button and select the media type.
5. Select the files you want to play.

Note:

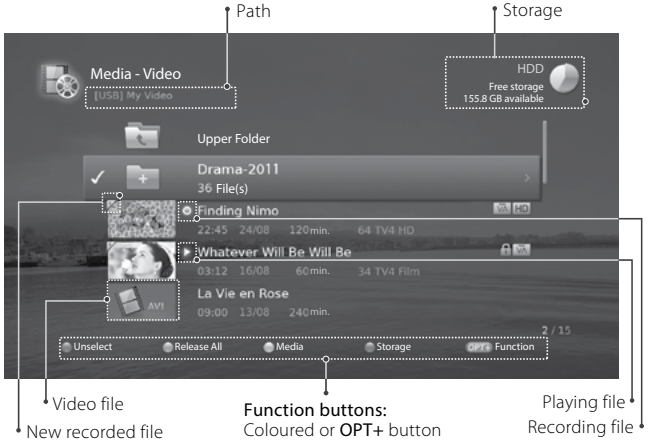
- Home network media server software such as Window Media Player must be installed and executed on the PC to share media files stored in the PC. The media files must be stored in the library folder of the PC.
- Windows 7 or higher and Windows Media Player 11 or higher are recommended.



Using Video List

You can play TV/radio recordings or video files stored in the hard disk drive, USB storage device or the home network devices.

Press the **MENU** button and select **Video**.



Note:

- : Recording icon, : Playing icon, HD: HD icon, : Lock icon.
- Press the **YELLOW** button to switch the media type.
- Press the **BLUE** button to switch the storage.
- Press the **i** button to view the detailed programme information.

Playing Files

Select a file and press the **OK** button and choose **Resume play** or **Play from the start.**

To play multiple files successively, select the files using the **RED** button and press the **OK** or **PLAY** button.

You can perform rewind, fast forward and pause while playing back a recorded file. Refer to **Recording and Playback > Playback** for details on playback control and playbar.

Note:

- You will be prompted to enter the password when you play the locked files.
- Some playback control buttons may not function depending on the contents.

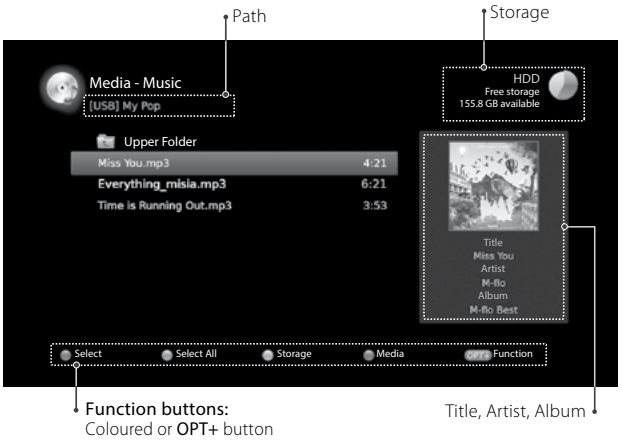
Editing Files

Sort	*Sorting Files* You can sort the video files in alphabetical or time order.
Delete	*Deleting Files* Select **Yes** and press the **OK** button.
Lock Unlock	*Locking Files* Enter the password.
Move (Copy)	➤ *Moving the files within the same storage:* Select the folder you want to move the files to and press the **OK** button. ➤ *Copying the files to another storage:* Select the storage and then select the folder to copy the files to. *Note:* • When you move a locked file, you will be prompted to enter the password. • The Copyright Act 1968 only permits to copy broadcasts for Private and Domestic purposes in limited circumstances. HUMAX does not authorise any use of this feature in any way which may amount to a breach of any law or the rights of the owner of copyright in film or broadcast.
Rename	*Renaming Files* Enter the name of the file in the keyboard and press the **YELLOW** button.
New Folder	*Creating New Folder* Enter the name of new folder in the keyboard and press the **YELLOW** button.

Using Music List

You can play music files stored in the hard disk drive, USB storage device or the home network devices.

Press the **MENU** button and select **Music**.



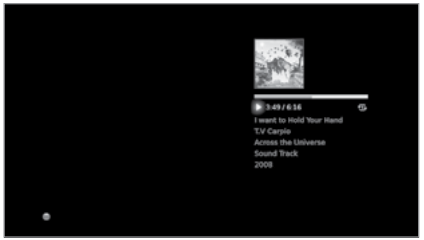
Playing Files

Select a file and press the **OK** or **PLAY** button. All files in the folder will play successively.

To play the selected files only, select the files using the **RED** button and press the **OK** or **PLAY** button.

Music Player

The music player displays during playback.



▶/II	Play / Pause
■	Stop the music player and display the list
◀◀	Play the previous file
▶▶	Play the next file
RED	Change the play mode
EXIT	Exit the music player and go to live TV

Editing Files

You can delete, move or rename the music files. Refer to ***Using Video List*** > ***Editing Files***.

Using Photo List

You can play photo files stored in the hard disk drive, USB storage device or the home network devices.

Press the **MENU** button and select **Photo**.

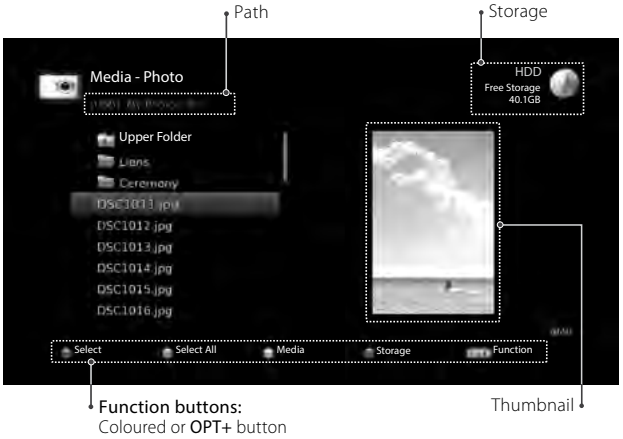


Photo Slideshow

Select a file and press the **OK** or **PLAY** button. All files in the folder will display successively.
To slideshow the selected files only, select the files using the **RED** button and press the **OK** or **PLAY** button.
The information banner displays while slideshow is paused.

⏯	Play / Pause
■	Stop slideshow and display the photo list
◀◀	Show the previous photo
▶▶	Show the next photo
EXIT	Exit slideshow and go to live TV

Slide Mode

You can play music files during slideshow.

1. Press the **OPT+** button.
2. Select **Slide Mode** and press the **OK** button.
   - **Display Time:** The duration a photo is displayed
   - **Music Play:** Select **On** to play music files during slideshow.
   - **Folder:** Select the folder the music files are located in using the **RED** button.
3. Select **OK** to save and exit.

Viewing Photo

Press the ▶/II button to pause a slideshow and display an information banner and the colour buttons.
You can change a photo using the ◀/▶ buttons.

Editing Files

You can delete, move or rename the photo files. Refer to ***Using Video List*** > ***Editing Files***.

HUMAX TV Portal

TV Portal is a web service portal which allows you to access various applications.
The operation of the TV Portal depends on your internet provider. TV Portal services including Catch Up TV and Video on Demand will add to your metered internet usage and may result in additional charges. Please check with your ISP provider for details of their internet plan. Please refer to the disclaimer in the next section for more details.

You can access **TV Portal** in several ways.

- Press the **TV Portal** button.
- Press the **MENU** button and select **HUMAX TV Portal**.

Note:

- Press the **TV Portal** button to return to TV Portal home while using the portal service.
- Press the **EXIT** button to exit. Press the **BACK** button to return to the previous screen.

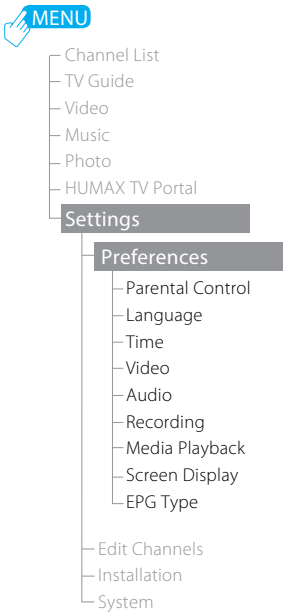
Note:

- TV Portal is powered by independent service providers and the services are subject to change without notice. The services may be discontinued temporarily or permanently without further notice. HUMAX is not responsible for the content or the discontinuity of the services. Available services may vary depending on countries.
- More applications are to be updated.

Disclaimer

You agree that your use of the HUMAX TV Portal Service ("Service") is at your sole risk and acknowledge that the Service and anything contained therein, including, but not limited to, content, services, goods or advertisements (the "Items") are provided "AS IS" and that HUMAX makes no warranty of any kind, express or implied, as to the Items, including, but not limited to, merchantability, no infringement, title or fitness for a particular purpose or use. HUMAX is not responsible for the quality of the broadband, and any disruptions or discontinuation of the Services as a result of broadband provided by your Internet Service Provider ("ISP"). HUMAX does not warrant that the Service is compatible with your equipment or that the Service is free of errors or viruses and is not liable for any damage you may suffer as a result of such destructive features. You agree that HUMAX, its Suppliers and its third-party agents shall have no responsibility or liability for any injury or damages, whether caused by the negligence of HUMAX, its employees, subcontractors, agents, Suppliers or otherwise arising in connection with the Service and shall not be liable for any lost profits, losses, punitive, incidental or consequential damages or any claim against HUMAX by any other party or any fault, inaccuracy, omission, delay or any other failure in the Service caused by your equipment or arising from your use of the Service on such equipment. For any issues or questions about the compatibility with your broadband, please contact your ISP.

Preferences



Parental Control

- **Restriction of Access:** You can block the programme if the programme is above the age limit.
- **Change STB Password:** Enter a new password.

Note:

- The default password is 0000. If you have forgotten your password, please contact HUMAX Australia Customer Service.
- Enter the password to view the blocked programmes.

Language Setting

You can set the system language.

Setting Power On/Off Timer

You can set the time the receiver powers on or powers off.

Video Setting

- **Screen Ratio:** You can select the screen ratio of your TV.
- **Display Format:** You can select the display format according to the screen ratio of your TV.
- **Resolution:** You can set the resolution of the screen.

Audio Setting

- **Digital Audio Output:** You can select the digital audio signal output.
- **Lip-Sync:** You can adjust the sound difference between audio and video.

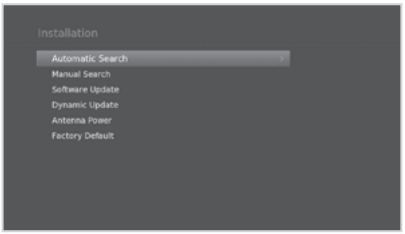
Screen Display

- **Info Display Time:** You can set the duration the i-plate is displayed whenever you change the channel.
- **Transparency:** You can set the transparency of the On-Screen Display.
- **Subtitle Display:** You can set to display the subtitle automatically or not.
- **Subtitle Font:** You can set the subtitle font.

EPG Type Setting

- **EPG Type:** You can set the EPG type to **HUMAX** mode or **IceTV** mode.

Automatic Search



Installation menu allows you to search the available TV and radio channels.

Note:

- The default password is 0000. If you have forgotten your password, please contact HUMAX Australia Customer Service.
- Press the **MENU** or **EXIT** button to exit.

MENU > Settings > Installation > Automatic Search

You can search channels automatically without entering any other information.

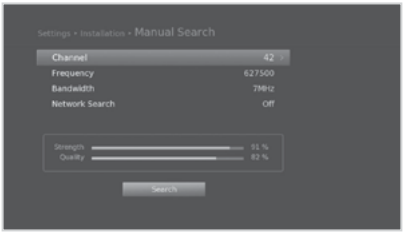
1. Select **Automatic Search**. Channel search starts.
2. Select **Save** and press the **OK** button to save the results.

Note:

- Select **Stop** and press the **OK** button to stop the channel search.
- The channels searched from the previous channel search will remain.

Manual Search

MENU > Settings > Installation > Manual Search



You can search channels manually by searching parameters.

1. Select **Manual Search**.
2. Configure the search options.
   - **Channel:** Select the channel.
   - **Frequency:** Enter the frequency. The corresponding frequency value will be automatically displayed.
   - **Bandwidth:** Select the bandwidth. Select 7MHz if your region is Australia.
   - **Network Search:** Select **On** or **Off**.
3. Select **Search** and press the **OK** button.
4. Select **Save** and press the **OK** button to save the results.

Note:

- Select **Stop** and press the **OK** button to stop the channel search.
- The channels searched from the previous channel search will remain.

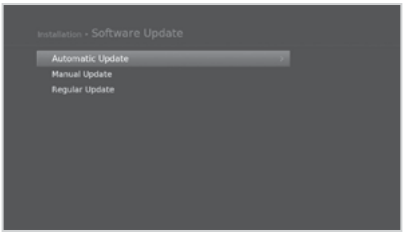
Software Update

The software will be updated automatically through the Regular Update feature as a default. You can also check for newly released software versions by selecting SW Update in HUMAX TV Portal. It is recommended that you periodically check for the availability of software update.
Make sure the internet is connected. You can connect the internet using a wireless USB dongle or a LAN cable. When using a wireless USB dongle, it is recommended to use a USB dongle distributed by HUMAX. Other products may not function or respond. Go to www.humaxdigital.com/au for details of where to buy.
If there is no internet connection, visit the HUMAX website for the latest software versions (http://www.humaxdigital.com/au) or contact Humax Customer Support on 1300 737 937.

MENU > Settings > Installation > Software Update

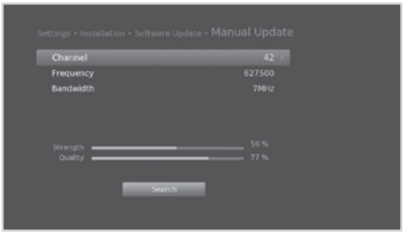
Automatic Update

1. Select **Automatic Update** and press the **OK** button to search for new software.
2. When new software is detected, select **Yes** to start the update process now.



Manual Update

1. Select **Manual Update** and press the **OK** button.
2. Enter the options manually.
   - **Channel:** Select the channel.
   - **Frequency:** Enter the frequency. The corresponding frequency value will be automatically displayed.
   - **Bandwidth:** Select the bandwidth.
3. Select **Search** and press the **OK** button to search for new software.
4. When new software is detected, select **Yes** to start the update process now.
   Please wait until the update is complete. When completing the software update, the product is automatically powered off and on again automatically powered off and on again.



Regular Update

You can set the software update to take place automatically at 4a.m. on a daily basis.

1. Select Regular Update.
2. Select an option.
   - **On:** Software is updated automatically at 4a.m.
   - **Off:** No automatic software update

The EPG information for certain channels is updated daily at 4:00 a.m. except when there is Regular Update or when there is a scheduled recording between 4-5a.m.

Caution:

- Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, fatal damage may be caused to the product.
- Software update through the network is also possible if you access HUMAX TV Portal.

Note:

- New software is downloaded and installed only when the network is connected via LAN.
- It may take approximately 40 minutes to update software.
- Other functions such as scheduling programmes will not activate while software update takes place.
- If new software is detected, you can choose either to download immediately or **later**. If you select Later, the message will be displayed again when you switch into standby mode.
- You can also update the software by connecting a USB device which has the new software file. The file can be downloaded from the HUMAX website.

Software Upgrade via USB Memory Stick

1. Visit HUMAX Australia website (www.humaxdigital.com/au) and go to **Support>Software Download**.
2. Check the latest software version and click the title to commence download and save it to an EMPTY USB memory stick (Make sure you have no other files).
3. Power off the receiver by switching off the switch located on the rear.
4. Insert the USB memory stick into the USB port (located at the rear) of the receiver.
5. Power on the receiver by switching on the switch located on the rear and immediately start tapping the front **Standby** touch button until the letter **R** appears on the front display.
6. The front display will change to **P** and numbers will show indicating the progress. (You can also monitor the progress on the TV screen connected to the receiver.)
7. When the front display changes to **END**, pull out the USB memory stick.
8. To confirm successful update, please go to **Menu>System>System Information** and check **Software Version**.

Note: If the download progress stops around 89%, it may take up to 5 minutes for it to restart. DO NOT TURN OFF the receiver at this point.

Dynamic Update

MENU > Settings > Installation > Dynamic Update

You can have the real time channel update take place automatically when necessary.

1. Select Dynamic **Channel Update**.
2. Select an option.
   - **On**: Channels are updated automatically when necessary.
   - **Off**: No automatic channel update

Antenna Power

MENU > Settings > Installation > Antenna Power

Active antenna is a portable or indoor antenna which needs power supply from the product because it does not have power cord for itself.
Connect an active antenna to the **ANTENNA IN** on the rear of the product. The antenna power should be turned on if your TV is connected to an active antenna that requires external power.

1. Select **5V Antenna Power**.
2. Select an option.
   - **On**: 5V power is supplied from the active antenna cable.
   - **Off**: No power supplied

Factory Default

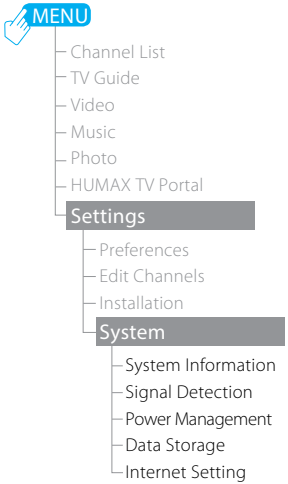
MENU > Settings > Installation

1. Select **Factory Default**.
2. A popup will appear. Select **Yes**.
3. You will be prompted to enter the password. Enter the password.

Note: The default password is 0000. If you have forgotten your password, please contact HUMAX Australia Customer Service.

Warning: Note that once you perform factory default, all user configured data will be reset. Shortly after you complete the factory default, the installation wizard will appear automatically.

System



System Information

You can view the system information.

Signal Detection

You can check the signal strength and quality of the searched channels.

Note: This menu is not activated during recording

Power Management

➤ **Power Saving in Standby**

Select **On** to inactivate certain functions and reduce the power consumption in standby to below 1W. (Passive Standby Mode)

➤ **Automatic Power Down**

Select **On** to enter standby mode automatically if no user interaction occurs for 3 hours.

Note: A message will display 30 seconds before the product enters standby mode. If you ignore this message, the product enters standby mode automatically.

Data Storage

➤ **Storage:** Select a storage to display the capacity of the storage.

➤ **Format Storage:** Format the selected storage.

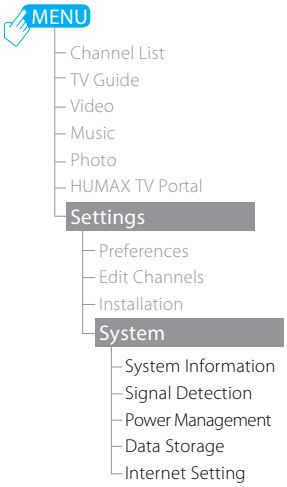
Internet Setting

Note: This function is available only when the wireless USB dongle or Ethernet cable has been connected to the receiver. Make sure that the wireless USB dongle or Ethernet cable is connected correctly. Refer to ***Connecting the Network*** for details.

Configuring WLAN

1. Select **Configure WLAN**.
2. Configure the wireless setting options.
   - **Network Name:** The wireless network name
   - **Security Type:** The WLAN security type
   - **Password:** The WLAN password.
3. Select **Apply** to connect to the selected wireless network and press the **OK** button.

Note: If your wireless network is not listed, select **Input Network Name** and enter your network name in the keyboard.



Configuring LAN

1. Select **Configure LAN**.
2. Select your IP configuration type between **DHCP** and **Manual**.
   - **DHCP:** If you use a router or modem that has a DHCP (Dynamic Host Configuration Protocol) server function, select **DHCP**. The IP address will automatically be determined.
   - **Manual:** If there is no DHCP server on the network and you want to set the IP address manually, select **Manual**. Enter the values for IP Address, Subnet Mask, Gateway Address and DNS Address.
3. Select **Apply** to connect to the selected network and press the **OK** button.

Note:

- When entering the IP address manually, enter 3 digits in a row.
- The network is connected by LAN when both WiFi and LAN are activated.
- HUMAX recommends the network connection over a direct LAN.

Content Sharing

You can find video, music and photo files in the HDD and play them on your TV or send those files to other devices. (Make sure the network is connected to both devices.)

1. Select **Content Sharing**.
2. Select **On** to connect to the HDD from other devices.

FTP (File Transfer Protocol) Server

Using the Home Networking function, you can copy the recorded files from the hard disk drive to your PC with no external USB devices.

1. Select **FTP Server**.
2. Select **On** to use the receiver as an FTP server.
3. Go to **Internet Setting > Configure Lan (WLAN)** to find out the IP address which is needed to connect to the FTP server.
4. Enter your IP address (FTP://xxx.xxx.x.xxx) on your internet browser address field.

5. Enter the user name and password.
   - **User name**: HumaxFTP
   - **Password**: (Your PIN code. Default: 0000)

Specification

Tuner & Channel	
No. of Tuners	2
Input Connector	IEC 169-2 female
Frequency Range	174 - 230 MHz (VHF) 520 - 820 MHz (UHF)
A/V Decoding	
Audio Mode	Single channel/Dual channel/Joint stereo/Stereo
Video Format	4:3, 16:9
Video Resolution	1080p, 1080i, 720p, 576p, 576i
Memory	
Flash Memory	32 MB
RAM	256 MB
EEPROM	8 KB
Audio/Video/Data In/Out	
Video	RCA, YPbPr, HDMI/HDCP
Audio	Audio L/R, S/PDIF (Digital Audio Output)
Data In/Out	
USB	USB 2.0 Host (5 V ⎓ 500, 500 mA Max.)
Hard Disk	
HDD	500 GB/1TB

Power Supply	
Input Voltage	90 - 250 V
Type	SMPS
Power Consumption	Max. 30 W (Passive Standby: Under 1 W)
Protection	Separate internal fuse. The input should be protected against lightning.
Physical Specification	
Size (w/h/d)	385 mm × 58 mm × 257 mm
Weight (Net)	2.0 kg
Operating Temperature	0 °C to +45 °C

Note: The specifications are subject to change without notice.

Trouble Shooting

Before contacting the customer service centre, make sure to read the tips below carefully. If the problem persists after you complete the following procedure, please contact HUMAX Australia Customer Service for further instructions.

1. No message is displayed on the front display. (The product will not switch on.)
   - Check the main power cable and make sure it is plugged into a suitable power outlet.
   - Check if the ring in the front panel is blue. (It is orange on standby mode by default)
   - Check that the mains supply is switched on.
   - Connect the power cable to a different power outlet.
   - Check that the power switch is on at the rear of the product. (where applicable)
2. No picture
   - Make sure that the product is powered on and in operation mode. (Press the **STANDBY** button and make sure that the ring in the front panel is blue.)
   - Make sure that the AV, HDMI or component cable is firmly connected to the TV.
   - Make sure that the antenna cable is properly connected to the product.
   - Be sure to activate channel search.
   - Check the brightness level of the TV.
   - Check if the channel is currently on air.
   - Make sure that STB or PVR is selected as input on the remote control.
3. Poor picture/sound quality
   - Make sure there is no mobile phone or microwave oven near the product.
   - Keep the power cable and the RF cable apart from each other.
   - [Terrestrial] Adjust the antenna direction to get a better picture.
   - [Terrestrial] If active antenna is being used and 5V antenna power is needed, go to **MENU>Settings>Installation>Antenna Power** and set **5V Antenna Power** to **On**.

   Note: If the antenna is covered with snow or the RF is weakened by heavy rain, the condition of the sound and picture may temporarily be poor. However, poor sound and picture quality due to weather conditions cannot be accepted as a malfunction of product.
4. No or poor sound
   - Check that your AV, HDMI or component cable is connected correctly.
   - Check the volume levels of your product and TV..
   - Check if the product or TV is on mute.
   - Check the audio type or soundtrack option. (where applicable)
5. Remote control does not operate.
   - To control the product, the top end of the remote control should point directly towards the receiving part of the product.
   - Remove and reinsert the batteries in the remote control.
   - Replace the batteries in the remote control for a new set.
   - Set the remote control to STB or PVR mode, if you are using the universal remote control. (where applicable)
6. Cannot make reservations.
   - Check that no previous reservations are conflicting with the new reservation.
   - The product has 2 tuners and therefore can only record 2 programmes at the same time.
7. No password information is given.
   - The default password is 0000.
8. Channel search does not work.
   - Please make sure that antenna cable is appropriately connected to the product.
   - **[Terrestrial]** Use the appropriate antenna capable of receiving VHF or UHF channels for your area.
9. Cannot update new software.
   - If your product is connected to the internet, you can go to TV Portal and run the **Software Update** application to update new software.
   - If your product is not connected to the internet, you can update new software through USB. Please visit http://www.humaxdigital.com/au/support/swdownload.asp for more information about how to update new software through the USB.

10. The product makes a humming noise.
    - Please make sure that there is no dust around the fan.
    - If the symptom persists, please call HUMAX customer service on 1300 737 937.
11. Cannot record progammes. (PVR only)
    - The hard disk is full. Please delete unnecessary recordings and make space for new recordings.
    - Check if the recording conflicts with another channel. Stop the current recording or wait until the recording is finished.
    - Check that the product is switched on when the recording starts.
    - If you are missing first or end bits of the programme, please set the padding time by going to **MENU>Settings>Preferences>Recording>Start/End Padding Time**.
12. Cannot operate Time Shifted Recording. (PVR only)
    - TSR may not be available during recording. Wait until the recordings is finished.
    - Delete unnecessary programmes and make space for new recordings.
13. Cannot playback. (PVR only)
    - The signal during recording may be weak or the hard disk may be too full.
    - Playing back on live TV is only available after watching the channel for at least 30 seconds.
14. Cannot change channels while recording. (PVR only)
    - Certain channels may not be changed due to restriction of the tuner or connection type.
15. Deleting a folder/programme in media
    - Press the **MEDIA** button and select a file or a folder you want to delete and press the **OPT+** button and delete.
16. Moving files to the external HDD
    - Press the **MEDIA** button and select a file or a folder you want to move and press the **OPT+** button. Select **Move/Copy** and press the **OK** button. When the Move/Copy Files message displays, select **External** and press the **RED** button.
    - Please note that once you move or copy a file or a folder, there will be a **Deleting** message on the top right corner. Do not switch off before the **Deleting** message disappears.
    - If you want to delete more than one file or a folder you can use the **RED** button to check mark the files or folders you want to delete at the same time.
17. Reading files from the external HDD
    - Connect the external HDD to the USB port and press the **MEDIA** button and then press the **BLUE** button. Then, select **USB**. Select a file you want to play out of the USB and press the **OK** button.
18. The product does not recognize larger external HDDs.
    - HUMAX recommends to use external HDDs up to 1TB only.
    - If the external HDD is making a ticking sound, this may indicate that the electricity is not sufficient. Please connect the power cable of the external HDD or connect another USB cable to the product.
19. TV Portal is not working.
    - Please make sure that the internet is properly connected.
    - To check if the internet is connected (when using a WLAN USB dongle)
    - Check if the USB dongle is lighted green
    - Go to **Menu>Settings>System>System Information** and see if the **Network Connected** message is displayed.
    - To check if the internet is connected (when using a wired LAN)
    - Go to **Menu>Settings>System>Internet Setting>Configure LAN** and check if the see the IP Address, Netmask, Gateway Address and DNS Address is correct.

Note: Please note that the internet speed can be slow according to each user environment and this may cause delay in accessing TV Portal.

20. Setting the padding time
    - Go to **MENU>Settings>Preferences>Recording** and set **Start/End Padding Time**.

21. Using HUMAX products that are purchased overseas in Australia

- HUMAX products that are not purchased in Australia will not be usable in Australia and customer service will not be provided either.

22. The product powers off automatically.

- Go to **MENU>Settings>Power Management** and see if **Automatic Power Down** is **On**. If there is no input for 3 hours, the product powers off automatically to save energy.
- Check if **Power Off Timer** is **On** in **MENU>Settings>Preferences>Time.**

23. Changing to passive mode

- Go to **MENU>Settings>Power Management** and set **Power Saving in Standby** to **On**.

24. Deleting an upper folder

- Upper folder is not a folder or a file that you can delete. It is there to be used as a **Back** function.

HUMAX Australia Customer Support

Information concerning troubleshooting, software upgrade and product support is provided in the following website. Should your product require warranty service, please contact Humax Australia Customer Service.

Australia	Tel:	1300 737 937
	Opening Hours:	Mon-Fri 9:00-17:00 (excluding Public Holidays)
	Address:	7 / 602 Whitehorse Road, Mitcham, Vic, 3132
	E-mail:	ausupport@humaxdigital.com
	Website:	www.humaxdigital.com/au
	Language:	English

Error Messages

Error messages	Possible causes	What to do
No or bad signal [Terrestrial]	The aerial is not pointing properly.	Adjust aerial. Check the cable from the aerial. If you cannot resolve the problem, you may need to have your aerial and installation tested by a professional.
The channel is scrambled or not available.	The channel has a signal but no audio or video.	Check if the channel is currently on air. Please contact the broadcasting company.
	The channel has been deleted by the broadcasting company.	Check if the channel is currently on air. Please contact the broadcasting company.
	The channel is for data broadcasting.	Remove the channel from the channel list and check for new transponder details.
The audio is not available.	The channel has a video signal but no audio.	Select the audio option to confirm that the channel has audio options.
Error messages	Possible causes	What to do
No access	No access	Make sure you have a subscription to the channel.
	No authorisation	If the product has been in standby or power off for a long time, please wait for authorisation. It may take up to 60 minutes.

Using the Universal Remote Control

Setting the Universal Remote Control

Set up the universal remote control so that you can control your TV with this universal remote control.

1. Select the mode (PVR, TV) you want to set by pressing the corresponding button on the remote control. The button will blink once.
2. Keep pressing the button for 3 seconds until the button lights on.
3. Enter the 3-digit code. Every time a number is entered, the button will blink. When the third digit is entered, the button will blink twice.
4. If a valid 3-digit code is entered, the product will power off.
5. Press the **OK** button and the mode button will blink three times. The setup is complete.
6. If the product does not power off, repeat the instruction from 3 to 5.

Note:

- When no code is entered for 20 seconds, the universal setting mode will switch to normal mode.
- Try several setting codes and select the code that has the most functions.

Setting the Code Randomly

1. Select the mode (PVR, TV) you want to set by pressing the corresponding button on the remote control. The button will blink once.
2. Keep pressing the button for 3 seconds until the button lights on.
3. Press the [PAGE+/CH+] or [PAGE-/CH-] key randomly until the mode button blinks.
4. When the valid 3-digit code is found, the mode button will blink twice and the product will power off.
5. Press the **OK** button and the mode button will blink three times. The setup is complete.
6. If the product does not power off, repeat the instruction from 3 to 5.

Finding Out the Code

You can find out the 3-digit code of the TV universal code that is active.

1. Select the mode (PVR, TV) you want to set by pressing the corresponding button on the remote control. The button will blink once.
2. Keep pressing the button for 3 seconds until the button lights on.
3. Press the **INFO** button.
4. The 3-digit code number will blink starting from the 3rd digit.

Button	TV
STANDBY	POWER
🔇	MUTE
PVR	
TV	
1	DIGIT 1
2	DIGIT 2
3	DIGIT 3
4	DIGIT 4
5	DIGIT 5
6	DIGIT 6
7	DIGIT 7
8	DIGIT 8
9	DIGIT 9
0	DIGIT 0, 11
TV Portal	
MENU	MENU
▶	TEXT EXPAND
II	TEXT HOLD
■	PIP INPUT
REC	PIP MOVE
◀◀	PIP OFF
▶▶	PIP
	TEXT MIX
	TEXT OFF, TV
RED	RED
GREEN	GREEN
YELLOW	YELLOW
BLUE	BLUE

Button	TV
MEDIA	
GUIDE	GUIDE
OK	OK
UP	UP
LEFT	LEFT
RIGHT	RIGHT
DOWN	DOWN
EXIT	EXIT
BACK	LAST, RECALL; PP; LAST CHANNEL
VOL+	VOL+
VOL-	VOL-
i	INFO, OSD; DISPLAY
LIST	Channel list
RIGHT	RIGHT
P+	P+
P-	P-
TEXT	TEXT
TV/RADIO	TV/DTV ATV/ DTV; D/A; DTV/TV; DTV; DIGITIAL
OPT+	
WIDE	WIDE, FORMAT, 16:9, ASPECT; *ZOOM*

Brand	Code
Acer	261, 278, 305
Acoustic Solutions	210, 312, 324, 370, 386, 428, 477
Akai	102, 006, 098, 144, 145, 111, 061, 043, 074, 148, 232, 280, 128, 122, 461, 109, 462, 489, 094, 084, 083, 065, 035, 034, 033, 028, 023, 011, 004, 002, 154, 321
Alba	006, 144, 134, 204, 087, 064, 036, 005, 108, 473, 455, 447, 388, 099, 084, 077, 072, 065, 059, 034, 023, 002
Bang & Olufsen	014
Beko	006, 144, 086, 145, 111, 064, 072, 172, 361, 405
BenQ	223, 328, 329
Black Diamond	444, 204, 211
Brionvega	006, 014, 062
Bush	102, 006, 144, 134, 204, 138, 087, 061, 043, 036, 005, 108, 376, 373, 370, 361, 355, 352, 327, 388, 430, 431, 432, 440, 448, 451, 473, 476, 477, 478, 002, 033, 035, 044, 045, 056, 059, 065, 066, 095, 133, 164, 210, 213, 229, 232, 250
cello	397, 410, 418, 419, 420
Crown	006, 144, 134, 204, 086, 145, 087, 111, 143, 064, 361, 135, 072, 071, 053, 033, 002
Daewoo	102, 006, 124, 444, 036, 441, 406, 341, 338, 271, 249, 195, 192, 190, 164, 133, 119, 091, 079, 066, 035, 034, 002
Dell	235, 278
DMTech	260, 438, 449, 454, 456
Ferguson	006, 120, 098, 103, 030, 204, 012, 020, 029, 046, 052, 054, 077, 292, 447, 476
Finlux	102, 006, 144, 145, 333, 327, 172, 122, 118, 094, 089, 084, 083, 070, 055, 035, 023, 018, 017, 014, 011, 010
Fujitsu	002, 011, 032, 035, 042, 137, 173, 187
Fujitsu General	002, 032, 035, 137
Fujitsu Siemens	172, 211, 230, 246, 268, 369
Funai	144, 134, 043, 275, 336, 369, 407
GoldStar	006, 144, 145, 111, 061, 001, 007, 020, 023, 027, 034, 035, 047, 067
Gooding	087
Goodmans	102, 006, 120, 144, 103, 134, 124, 444, 204, 087, 043, 036, 005, 478, 211, 232, 477, 250, 476, 271, 445, 355, 370, 373, 440, 376, 382, 383, 386, 002, 004, 011, 035, 047, 052, 054, 065, 066, 084, 091, 094, 119, 121, 133, 172, 195, 210
Graetz	144, 087, 061, 023, 053, 065, 211
Grundig	102, 006, 030, 087, 142, 005, 108, 498, 476, 448, 447, 445, 430, 405, 370, 271, 267, 250, 225, 135, 121, 010, 101, 096, 028, 077
Grunkel	211
Hannspree	262, 263, 264, 342, 401, 402, 463
Hantarex	006, 002, 094, 190, 260, 289
Hinari	006, 043, 036, 005, 002, 033, 059, 077, 443
Hisense	102, 092, 165, 254, 265, 366, 491
Hitachi	006, 098, 124, 204, 208, 005, 019, 037, 146, 152, 153, 163, 169, 193, 197, 007, 206, 210, 217, 227, 295, 296, 330, 377, 399, 424, 483, 020, 021, 023, 027, 035, 054, 056, 060, 076, 081, 083, 084, 085, 089, 091, 094, 018, 106, 107, 011
Humax	505, 299, 506, 507, 245, 319, 322, 411, 433, 479
Hyundai	164, 190, 192, 241, 244, 271, 291, 317, 338, 340, 341, 439
Inno Hit	036, 002, 011, 035, 045, 047, 094, 211
Irradio	006, 036, 002, 047, 065, 147
JVC	111, 036, 005, 129, 130, 015, 029 065, 072, 137, 149, 207, 264, 362 408, 496
Keymat	258, 300, 398, 436, 437
Lenoir	002, 214
LG	102, 006, 144, 145, 138, 061, 064, 248, 281, 354, 367, 368, 384, 396, 416, 417, 425, 426, 215, 209, 067, 047, 035, 034, 027, 023, 002, 001, 236, 257
Loewe	006, 064, 014, 048, 093, 094, 123 131, 167, 414, 434
Logik	204, 001, 003, 029, 162, 195, 224, 292, 376, 464, 465, 466
Logix	134, 095
Luxor	098, 204, 061, 023, 033, 035, 047, 055, 056, 060, 083, 084, 122, 211
Manhattan	006, 134, 204, 164, 192, 237, 293
Marantz	102, 006, 071, 140, 277, 317
Marks and Spencer	420
Matsui	102, 006, 144, 030, 204, 087, 005, 080, 074, 153, 195, 097, 094, 369, 445, 077, 447, 065, 059, 056, 052, 044, 035, 033, 028, 011, 008, 004, 003, 002
Mitsubishi	102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311
Mivar	034, 035, 047, 048, 094, 112
NEC	005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379
Nokia	098, 113, 111, 061, 023, 033, 049, 053, 055, 056, 066, 083, 084, 089, 122
Nordmende	006, 144, 103, 030, 020, 046, 054, 242, 280, 499
Onida	207, 226
Orion	102, 006, 144, 204, 467, 458, 457, 456, 448, 445, 443, 385, 218, 195, 131, 097, 094, 077, 071, 059, 050, 049, 003
Orline	006, 036
Ormond	134, 204
Orsowe	094
Pacific	102, 144, 204, 208, 077, 256
Packard Bell	254, 293
Panasonic	006, 098, 061, 129, 038, 023, 063, 094, 187, 251, 294, 353, 359, 279, 306
Panavision	006, 070
Philco	006, 064, 014, 021, 072

Philips	102, 006, 061, 459, 435, 429, 395, 310, 302, 297, 247, 125, 110, 101, 073, 066, 054, 029, 014, 002
Phonola	102, 006, 014, 029, 034
Pioneer	006, 086, 061, 064, 020, 023, 024, 046, 073, 093, 136, 159, 233, 277, 286, 381
Pionier	086, 064, 327
Radiomarelli	006, 014, 094
Relisys	190, 192, 193, 194, 220, 221, 271, 310, 333, 338, 341, 355, 390
Saba	120, 098, 144, 103, 061, 014, 020, 023, 046, 052, 054, 090, 094, 335
Sagem	113, 080, 182, 253, 337
Samsung	102, 006, 043, 064, 108, 115, 231, 252, 276, 287, 332, 345, 350, 351, 372, 442, 474, 488, 490, 492, 228, 176, 175, 127, 095,047, 035, 034, 033, 027, 023, 011, 009, 002
Sanyo	204, 064, 005, 019, 442, 370, 363, 358, 357, 356, 222, 200, 150, 140, 097, 053, 048, 035, 034, 033, 025, 023, 017, 011, 008, 003, 002, 240
Schaub Lorenz	098, 144, 086, 111, 061, 056, 066, 215, 256, 267
Schneider	102, 006, 144, 134, 204, 061, 208, 036, 451, 450, 293, 128, 097, 095, 065, 056, 054, 042, 035, 023, 010
SEG	006, 134, 204, 087, 043, 036, 005, 285, 211, 210, 119, 062, 056, 035, 034, 002
Sei-Sinudyne	006, 014, 032, 094, 097
Seleco	023, 032, 042, 055, 062, 065, 070, 075, 099
Sharp	005, 130, 216, 015, 029, 088, 094, 177, 274, 334, 365, 409, 166, 288
Siemens	006, 030, 028, 096, 101
SKY	006, 195, 271, 300, 307, 308, 340, 341, 342, 343, 344, 391, 400, 421
Sonoko	006, 043, 002, 035, 045
Sony	006, 301, 005, 446, 412, 393, 375, 360, 325, 255, 203, 185, 174, 058, 003
Strong	210, 211
Technika	422, 428, 465, 468, 480, 493
TechniSat	102, 131, 237
Technisson	144, 242, 361
Technosonic	102, 120, 091, 195, 256, 258, 436, 437, 451, 468
Telefunken	006, 120, 144, 103, 086, 320, 202, 105, 090, 082, 055, 054, 052, 046, 020, 016, 012, 348
Tevion	102, 006, 144, 134, 204, 208, 468, 405, 403, 376, 355, 327, 298, 246, 242, 232, 230, 172, 128
Thomson	006, 120, 103, 020, 046, 052, 054, 056, 082, 335
Toshiba	030, 204, 005, 115, 129, 092, 447, 364, 313, 304, 242, 212, 211, 183, 100, 039, 022, 020, 010, 009, 004, 236, 257
Tosumi	451
Vestel	006, 134, 204, 035, 211, 333, 370
Videocon	092
Viewsonic	307, 308, 323, 335, 349, 391, 394, 259, 331
Wharfedale	102, 006, 095, 189, 256, 327, 370, 452, 453, 477, 502
Yamaha	169, 314, 330, 184
Zanussi	032, 035
TV/VCR Combo	
Aiwa	445
Amstrad	026
Beko	086
Daewoo	444, 119
GoldStar	006
Grundig	102, 006, 030, 101, 445
Irradio	147
LG	027
Philips	102, 006
Saba	120
Samsung	442
Sanyo	442
Sharp	015
Thomson	120
United	445
TV/VCR/DVD Combo	
Grundig	448
Orion	448

If the code for your equipment is not listed, visit the following website and see **MDB1.3** for a complete list of supported codes.
(**http://www.humaxdigital.com/global/support/rcucodelist.asp**)